BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of Work: Maintenance of water supply works to existing borewells at Chokkanahalli, Thirumenahalli Surrounding area in ward no. 06 (Kogilu)

Est Cost : 25.00 Lakhs

P Code : P-3726

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 06(ಜಕ್ಕೂರು) ವ್ಯಾಪ್ತಿಯ Maintenance of water supply Existing borewells at Chokkanahalli, Thirumenahalli Surrounding area in Ward No. 06 (Kogilu) Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 06(ಕೋಗಿಲು) ವ್ಯಾಪ್ತಿಯ Maintenance of water supply Existing borewells at Chokkanahalli, Thirumenahalli Surrounding area in Ward No. 06 (Kogilu) Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ರೂ. 25.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2022-23 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಕಾಮಗಾರಿ ಕ್ರಿಯ ಯೋಜನಾ ಪಟ್ಟಿಯಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಚೊಕ್ಕನಹಳ್ಳಿ ಮತ್ತು ತಿರುಮೇನಹಳ್ಳಿ ಸುತ್ತಮುತ್ತಲಿನ ಪ್ರದೇಶಗಳಲ್ಲಿ ಹಾಲಿ ಇರುವ ಕೊಳವೆ ಬಾವಿಗಳನ್ನು ನಿರ್ವಹಣೆ ಮಾಡಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಕುಡಿಯುವ ನೀರಿನ ಸರಬರಾಜು ಮಾಡುವ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ, ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹಾಲಿ ಕೊರೆದಿರುವ ಕೊಳವೆ ಬಾವಿಗಳ ಪಂಪು ಮತ್ತು ಮೋಟಾರ್‌ಗಳ ರಿಪೇರಿ ಹಾಗೂ ಅಗತ್ಯ ಬಿಡಿ ಭಾಗಗಳನ್ನು ಒದಗಿಸುವುದು.
2. ಪಿ.ವಿ.ಸಿ ಪಂಪು ಕೇಬಲ್ ಒದಗಿಸುವುದು.
3. ಎಂ.ಸಿ.ಬಿ, ಫ್ಯೂಸ್ ಚನಲ್ಸ್, ಎಂ.ಸಿ.ಬಿ, ಒದಗಿಸುವುದು.
4. ಪೈಪ್‌ಲೈನ್ಗಳನ್ನು ಅಳವಡಿಸುವುದು, ಗೇಟ್‌ವಾಲ್‌ಗಳನ್ನು ಒದಗಿಸುವುದು.
5. ಅಗೆತ ಮಾಡಿರುವ ಕೊಳವೆ ಸಾಲುಗಳನ್ನು ಮತ್ತೆ ಮುಚ್ಚುವುದು. ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು Water Supply and UGD Works CSR 2021-22 & PWD-2021-22 ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಅನುದಾನದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ತಮ್ಮಲ್ಲಿ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. **2500000.00**

Name of Work: Maintenance of water supply works to existing borewells at Chokkanahalli, Thirumenahalli Surrounding area in ward no. 06 (Kogilu)

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	The lifting of submergible pumpset from well. Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.20 Code.P030T)	Each	2	45			90	1054.00	94860.00
2	The Transportation of pumping machineries Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.18 Code.P030R)	Each	45				45	900.00 843	40500.00
3	Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) for Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.1 Code.P010) For all types of submergible pumpsets above 7.0 HP and upto 7.5H.P. (Sl No. 1.7 SOR Code P010G)	Each	5				5	3839.00	19195.00
A	1.13 P010M For all types of submergible pumpsets above 10 HP and upto 11 H.P. Sl No. 1.13 SOR Code P010M)	Each	10				10	5157.00	51570.00
B	1.15 P010O For all types of submergible pumpsets above 12 HP and upto 13 H.P. (Sl No. 1.15 SOR Code P010O)	Each	15				15	5983.00	89745.00
C	For all types of submergible pumpsets 15HP to 20 HP Sl No. 1.18 SOR Code P010R)	Each	15				15	8930.00	133950.00
4	Pump bowls of same type and make Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.1 Code.P020A)	No.	90				90	654.00	58860.00
5	Intermediate Piece (I.P) With IP Leaded Bronxe bush Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.2	No.	25				25	738.00	18450.00
6	Upper Flange Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No. 3.7	No.	30				30	269.00	8070.00
7	Upper/ Lower Housing Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.3.9	No.	30				30	633.00	18990.00
8	Guide vane Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.5	No.	50				50	380.00	19000.00
9	Impeller Shell moulded with aluminium Bronze) Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.6	No.	35				35	580.00	20300.00
10	Discharge outlet (D.O) Bearing D.O Steel Bush Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.7	No.	30				30	685.00	20550.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.10	No.	45				45	1213.00	54585.00
12	Pump Couping (Stainless Steel) Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.12	No.	35				35	1213.00	42455.00
13	Stud and Nuts Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.14	Each	100				100	95.00	9500.00
14	Motor Base With Pin Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.3.17	Each	25				25	485.00	12125.00
15	The Starter of Motor up to 4 to 5 HP Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.2	No.	45				45	5588.00	251460.00
16	The Rotor of Motor up to 4 to 5 HP Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.6	No.	45				45	4850.00	218250.00
17	Carbon Housing Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.11	No.	40				40	791.00	31640.00
18	Thrust bearing block assembly complete with Segment bearing pad.up to 4 to 5 HP Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.12	No.	40				40	949.00	37960.00
19	Oil Seal Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.3	No.	35				35	169.00	5915.00
20	Oil Seal Steel BushWater Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.4	No.	45				45	169.00	7605.00
21	Steel Bush Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.8	No.	100				100	211.00	21100.00
22	Allen Screw Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 156 Item No.2.9	No.	100				100	685.00	68500.00
23	Pump Key (Stainless Steel) Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.11	No.	35				35	264.00	9240.00
24	Non – return valve (NRV) assembly complete with rubber 'O' Ring Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.13	No.	30				30	580.00	17400.00
25	Cable Guard Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.14	No.	45				45	865.00	38925.00
26	Strainer Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.15	No.	40				40	316.00	12640.00
27	Brass Filter Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.2.16	No.	35				35	474.00	16590.00
28	Re-erection charges of pumping machineries including overhauling and pointing Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.19	Each	45				45	1423.00	64035.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29	Loc.. Ring Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.1	Each	35				**35**	127.00	**4445.00**
30	Top Carbon/Ferrodo padding Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.13	Each	35				**35**	981.00	**34335.00**
31	Bearing (Gunmetal) Centrifugal) Cast Aluminium Bronxe, Beaing bush Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.15	Each	35				**35**	474.00	**16590.00**
32	Circillps Water Supply and UGD Works CSR 2021-22 V-5 Chapter-15(Page No. 157 Item No.3.16	Each	35				**35**	63.00	**2205.00**
	Genaral Items								
33	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3b KPWD Electrical SR 2010-11**	No.							
	63 Amps		32	3.00			**96.00**		
							96.00	150.00	**14400.00**
34	Cutting and threading G.I. pipes for pump fitting, public fountains with appurtenances., where the length of pipe laid is less than 6 metre Pipes of dia 32mm to 80mm Water Supply and UGD Works CSR 2021-22 V-5 (Page No. 66 C-3 Item No.2.1	Each	25X30				**750.00**	86.00	**64500.00**
35	Supply and delivery at site Brand new best make PVC insulated cable of Flat 3 core (sheathed) of nominal cross sectional area as per IS 694-1990 with ISI Mark and as per its latest amendments. 1x3x6 m2 Water Supply and UGD Works CSR 2021-22 V-5 (Page No. 66 C-15 Item No.22.4	Mtr							
			1	1085.00			**1085.00**	210.00	**227850.00**
36	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box. Water Supply and UGD Works CSR 2021-22 V-5 (Page No. 66 C-15 Item No.32	No's							
			20				**20.00**	1250.00	**25000.00**
37	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. Depth exceeding 1.5 m, but not exceeding 3 mPWD SR 2021-22 (Vol-1 Page No. 10 Item no.1.17.2)	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	500.00	0.45	0.75	168.75		
							168.75	517.00	**87244.00**
	Basic Rate	470.00							
	Add 10% Area Weightage	47.00							
		517.00							
38	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete Water Supply and UGD Works CSR 2021-22 V-5 (Page No. 139 C-12 Item No.12.2	Mtr							
	75mm(weight of pipe -0.917 kg)								
			1	500.00			500.00		
							500.00	210.00	**105000.00**
39	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. ncluding cost of all labour complete as per specifications PWD SR 2021-22 (Vol-1 Page No. 7 Item no.1.10)	Cum							
			Qty. Vide Item No.				**168.75**	134.20	**22646.00**
	Basic Rate	122.00							
	10% area weightage	12.20							
	Total	134.20							
									2118180.00
40	Add 18% Applicable GST								**381272.00**
41	Miscellaneous and Unforeseen Charges	L/S							**548.00**
								Total	**2500000.00**

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per Water Supply and UGD Works CSR 2021-22 and PWD SR 2021-22,

4 The provisions were made in this estimate are necessary and adequate.

5 This works come under B.B.M.P. limits.

No. of correction One (1)

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
Bangalore-24

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

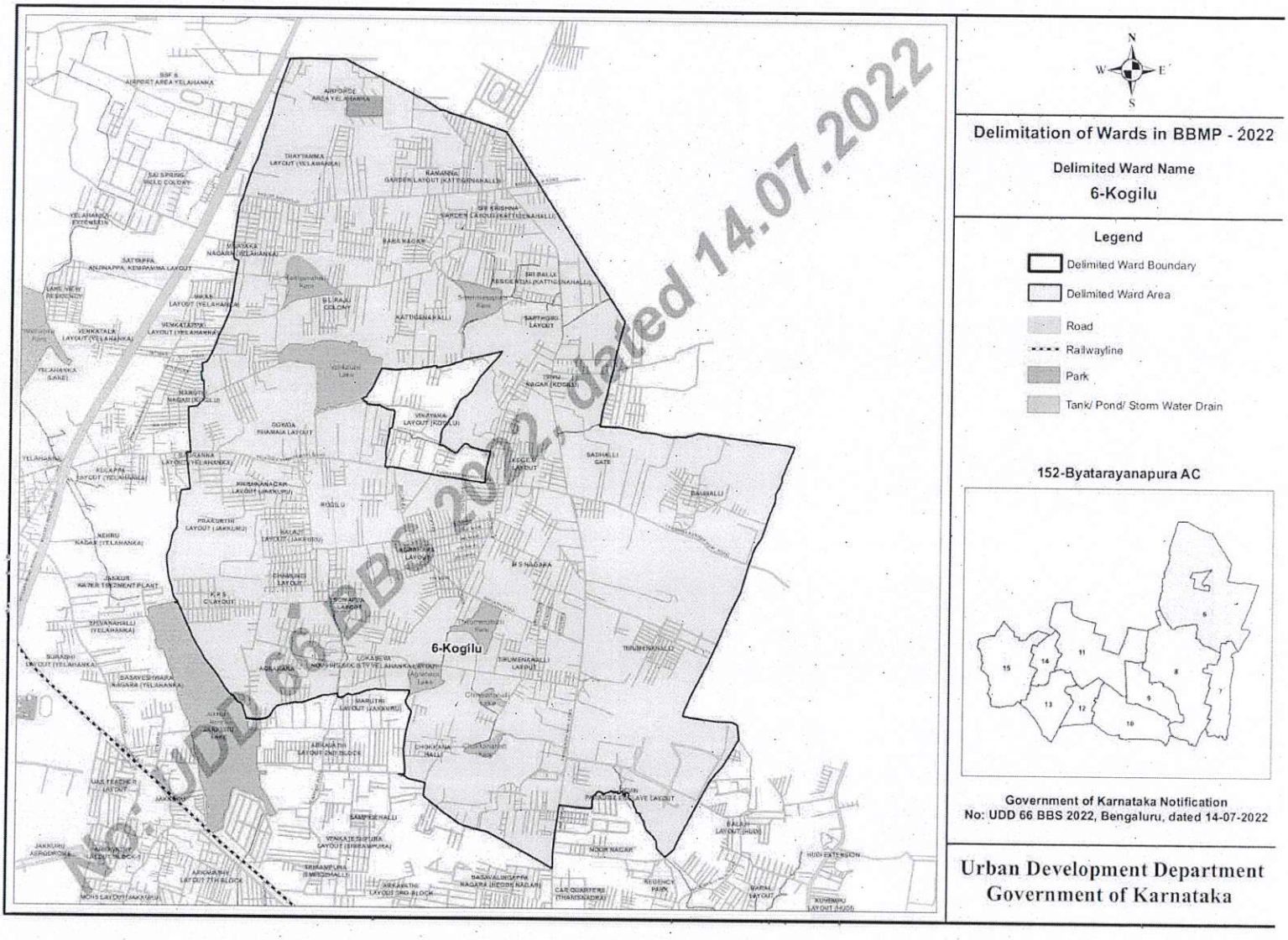
Administrative Approval
Accorded For Rs 25.00 Lakhs
Head of A/C P-3726
CER NO :128/22-23 Dt:16.09.2022

TA

CE (YPK)

Technical Sanction
Accorded For Rs 25.00 Lakhs
Head of A/C P-3726
CER NO :128/22-23 Dt:16.09.22

TA



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26